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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/715,117
				Filing Date	November 18, 2003
				First Named Inventor	Jing Li
				Group Art Unit	1634
				Examiner Name	Stephen Thomas Kapushoc
(use as many sheets as necessary)				Attorney Docket Number	006539.00051
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
STK		Ancellin <i>et al.</i> , "Extracellular Export of Sphingosine Kinase-1 Enzyme," <i>J. Biol. Chem.</i> 277, 6667-75, February 22, 2002	
		Doll <i>et al.</i> , "The epidermal growth factor stimulates sphingosine kinase-1 expression and activity in the human mammary carcinoma cell line MCF7," <i>Biochim. Biophys. Acta</i> 1738, 72-81, Epub December 27, 2005 (abstract)	
		Edsall <i>et al.</i> , "Sphingosine kinase expression regulates apoptosis and caspases activation in PC12 cells," <i>J. Neurochem.</i> 76, 1573-84, March 2001 (abstract)	
		Hayashi <i>et al.</i> , "Identification and Characterization of RPK118, a Novel Sphingosine Kinase-1-binding Protein," <i>J. Biol. Chem.</i> 277, 33319-24, September 6, 2002	
		Imamura <i>et al.</i> , "CpG island of rat sphingosine kinase-1 gene: tissue-dependent DNA methylation status and multiple alternative first exons," <i>Genomics</i> 76, 117-25, August 2001 (abstract)	
		Johnson <i>et al.</i> , "PKC-dependent Activation of Sphingosine Kinase 1 and Translocation to the Plasma Membrane," <i>J. Biol. Chem.</i> 277, 35267-62, September 20, 2002	
		Lacan� <i>et al.</i> , "Cloning and Characterization of a Protein Kinase A Anchoring Protein (AKAP)-related Protein That Interacts with and Regulates Sphingosine Kinase 1 Activity," <i>J. Biol. Chem.</i> 277, 32947-63, September 6, 2002	
		Le Scolan <i>et al.</i> , "Overexpression of sphingosine kinase 1 is an oncogenic event in erythroleukemic progression," <i>Blood</i> 106, 1808-16, September 1, 2005, Epub May 12, 2005 (abstract)	
		Liu <i>et al.</i> , "Molecular Cloning and Functional Characterization of a Novel Mammalian Sphingosine Kinase Type 2 Isoform," <i>J. Biol. Chem.</i> 275, 19513-20, June 30, 2000	
		Melendez <i>et al.</i> , "Dichotomy of Ca <sup>2+</sup> Signals Triggered by Different Phospholipid Pathways in Antigen Stimulation of Human Mast Cells," <i>J. Biol. Chem.</i> 277, 17255-62, May 10, 2002	

Examiner Signature	/Stephen Kapushoc/	Date Considered	10/31/2006
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 2

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STK		Nakade <i>et al.</i> , "Regulation of sphingosine kinase 1 gene expression by protein kinase C in a human leukemia cell line, MEG-O1," <i>Biochim. Biophys. Acta</i> 1635, 104-16, December 30, 2003 (abstract)	
		Nava <i>et al.</i> , "Functional characterization of human sphingosine kinase-1," <i>FEBS Lett.</i> 473, 81-84, May 4, 2000 (abstract)	
		Pitson <i>et al.</i> , "A point mutant of human sphingosine kinase 1 with increased catalytic activity," <i>FEBS Lett.</i> 509, 169-73, December 7, 2001 (abstract)	
		Pitson <i>et al.</i> , "The Nucleotide-binding Site of Human Sphingosine Kinase 1," <i>J. Biol. Chem.</i> 277, 49545-53, December 20, 2002	
		Sobue <i>et al.</i> , "Transcription factor specificity protein 1 (Sp1) is the main regulator of nerve growth factor-induced sphingosine kinase 1 gene expression of the rat pheochromocytoma cell line, PC12," <i>J. Neurochem.</i> 95, 940-49, November 2005, Epub August 31, 2005 (abstract)	
		Taha <i>et al.</i> , "Loss of sphingosine kinase-1 activates the intrinsic pathway of programmed cell death: modulation of sphingolipid levels and the induction of apoptosis," <i>FASEB J.</i> 20, 482-84, March 2006, Epub December 30, 2005 (abstract)	
		Van Brocklyn <i>et al.</i> , "Sphingosine kinase-1 expression correlates with poor survival of patients with glioblastoma multiforme: roles of sphingosine kinase isoforms in growth of glioblastoma cell lines," <i>J. Neuropathol. Exp. Neurol.</i> 64, 695-705, August 2005 (abstract)	
		Waters <i>et al.</i> , "Sphingosine 1-Phosphate and Platelet-derived Growth Factor (PDGF) Act via PDGFβ Receptor-Sphingosine 1-Phosphate Receptor Complexes in Airway Smooth Muscle Cells," <i>J. Biol. Chem.</i> 278, 6282-90, February 21, 2003	

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